

Title (en)
REAL-TIME DISTRIBUTED PROCESSOR ENVIRONMENT

Title (de)
VERTEILTE ECHTZEIT-PROZESSORUMGEBUNG

Title (fr)
ENVIRONNEMENT DE PROCESSEUR RÉPARTI EN TEMPS RÉEL

Publication
EP 1987428 A2 20081105 (EN)

Application
EP 07705255 A 20070222

Priority

- GB 2007000624 W 20070222
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Abstract (en)
[origin: WO2007096628A2] A real-time distributed processing environment for supporting the execution of interacting activities in different processors, comprising a network of message-passing elements for transferring data between memory areas of the processors; and route-table means associated with each message-passing element within the distributed processing environment, the route-table means comprising programmable variables for a set of software-routes that are to be supported by the associated message-passing device, wherein software-route data associated with a software activity producing data and a software activity using the data may be transferred between memory devices concurrently with execution of activities by the processors. The environment allows the processors to commence or continue execution of any activity simultaneously with the movement of software-route data between the memory spaces of the processors without any involvement from software, the route-table effectively decouples in time, the movement of data by the message-passing electronics from the execution of the activities and any of their associated software-route access procedures that are running on the processors.

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G06F 9/46 (2006.01)

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G06F 9/54 (2013.01 - EP US); **G06F 15/17356** (2013.01 - EP US)

Citation (search report)
See references of WO 2007096628A2

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